

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| Substitute for form 1449A/PTO                            |   |    |   | Complete if Known      |                  |
|--|---|----|---|------------------------|------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application No.        | 10/756,936       |
|  |   |    |   | Filing Date            | January 13, 2004 |
|  |   |    |   | First Named Inventor   | Shaoher X. Pan   |
|  |   |    |   | Art Unit               | 2872             |
|  |   |    |   | Examiner Name          | Not yet known    |
| Sheet  | 1 | of | 1 | Attorney Docket Number | 23340-08599      |

| U.S. PATENT DOCUMENTS |                       |  |                    |  |
|-----------------------|-----------------------|--|--------------------|--|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document No.<br>Number - Kind Code <sup>2</sup> (if known) | Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
| M                     |                       | US-5,382,981   | 01-17-1995         | Gale, Jr.  |
| ↓                     |                       | US-5,061,049   | 10-29-1991         | Hornbeck   |
|                       |                       | US-  |                    | /  |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |
|--------------------------|-----------------------|--|--------------------------------|--|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -<br>Number <sup>4</sup><br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
|                          |                       |  |                                | /  |
|                          |                       |  |                                |  |
|                          |                       |  |                                |  |

| OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS |                       |  |  |  |
|--|-----------------------|--|--|--|
| Examiner Initials*                                 | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |  |  |
| M  |                       | PETERSEN, K.E., Micromechanical Membrane Switches On Silicon, IBM J. Res. Develop., July 1979, pp. 376-385, vol. 23, no. 4.  |  |  |
|  |                       | /  |  |  |
|  |                       |  |  |  |
|  |                       |  |  |  |
|  |                       |  |  |  |
|  |                       |  |  |  |

|                    |        |                 |         |
|--------------------|--------|-----------------|---------|
| Examiner Signature | SIKDER | Date Considered | 8/15/04 |
|--------------------|--------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

23340/08599/DOCS/1445210.1  
06/22/04



| Substitute for form 1449A/PTO                            |   |    |   | Complete if Known      |                  |
|--|---|----|---|------------------------|------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application No.        | 10/756,936       |
|  |   |    |   | Filing Date            | January 13, 2004 |
|  |   |    |   | First Named Inventor   | Shaoher X. Pan   |
|  |   |    |   | Art Unit               | 2872             |
|  |   |    |   | Examiner Name          | Not Yet Known    |
| Sheet  | 1 | of | 1 | Attorney Docket Number | 23340-08599      |

| U.S. PATENT DOCUMENTS |                       |  |                    |  |
|-----------------------|-----------------------|--|--------------------|--|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document No.<br>Number - Kind Code <sup>2</sup> (if known) | Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
| M                     |                       | US-2004/0008402 A1   | 01-15-2004         | Patel et al.                                       |
|                       |                       | US-2004/0004753 A1   | 01-08-2004         | Pan  |
|                       |                       | US-2003/0117686 A1   | 06-26-2003         | DiCarlo  |
|                       |                       | US-6,323,982 B1  | 11-27-2001         | Hornbeck   |
|                       |                       | US-6,049,317   | 04-11-2000         | Thompson et al.                                    |
|                       |                       | US-5,683,749   | 09-02-1997         | Farris et al.                                      |
|                       |                       | US-5,589,852   | 12-31-1998         | Thompson et al.                                    |
|                       |                       | US-5,489,952   | 02-08-1996         | Gove et al.  |
|                       |                       | US-5,448,314   | 09-05-1995         | Heimbuch et al.                                    |
|                       |                       | US-5,172,282   | 12-15-1992         | Hornbeck   |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |

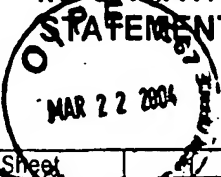
| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |                |
|--------------------------|-----------------------|--|--------------------------------|--|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -<br>Number <sup>4</sup><br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup> |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |

|                    |        |                 |         |
|--------------------|--------|-----------------|---------|
| Examiner Signature | SIKDER | Date Considered | 7/15/04 |
|--------------------|--------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

23340/08599/DOCS/1437390.1  
05/21/04

|   |                        |                          |                  |
|---|------------------------|--------------------------|------------------|
| Substitute for form 1449A/PTO   |                        | <b>Complete if Known</b> |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br> |                        | Application No.          | 10/756,936       |
|   |                        | Filing Date              | January 13, 2004 |
|   |                        | First Named Inventor     | Shaoher X. Pan   |
|   |                        | Art Unit                 | Unknown          |
|   |                        | Examiner Name            | Unknown          |
| Sheet 1 of 1  | Attorney Docket Number | 23340-08599              |                  |

| U.S. PATENT DOCUMENTS |                       |  |                    |  |
|-----------------------|-----------------------|--|--------------------|--|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document No.<br>Number - Kind Code <sup>2</sup> (if known) | Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
| M                     |                       | US 6,543,286 B2  | 04-08-2003         | Garverick, et al.                                  |
|                       |                       | US 6,542,653 B2  | 04-01-2003         | Wu, et al.   |
|                       |                       | US2002/0132389 A1  | 09-19-2002         | Patel, et al.                                      |
|                       |                       |  |                    |  |
|                       |                       |  |                    |  |
|                       |                       |  |                    |  |
|                       |                       |  |                    |  |
|                       |                       |  |                    |  |
|                       |                       |  |                    |  |
|                       |                       |  |                    |  |
|                       |                       |  |                    |  |
|                       |                       |  |                    |  |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |                |
|--------------------------|-----------------------|--|--------------------------------|--|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -<br>Number <sup>4</sup><br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup> |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |

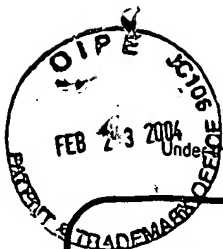
| OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS |                       |  |                |  |
|--|-----------------------|--|----------------|--|
| Examiner Initials*                                 | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>6</sup> |  |
|  |                       |  |                |  |
|  |                       |  |                |  |
|  |                       |  |                |  |
|  |                       |  |                |  |

|                    |        |                 |         |
|--------------------|--------|-----------------|---------|
| Examiner Signature | SIEDER | Date Considered | 7/15/04 |
|--------------------|--------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

23340/08599/DOCS/1420820.1



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

|                        |                  |
|------------------------|------------------|
| Application No.        | 10/756,936       |
| Filing Date            | January 13, 2004 |
| First Named Inventor   | Shaoher X. Pan   |
| Art Unit               | Not Yet Known    |
| Examiner Name          | Not Yet Known    |
| Attorney Docket Number | 23340-08599      |

Sheet 1 of 2

### U.S. PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document No.<br>Number - Kind Code <sup>2</sup> (if<br>known) | Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
|-----------------------|--------------------------|---|--------------------|--|
| M                     |                          | US-6,538,800  | 03-25-2003         | Huibers  |
|                       |                          | US-6,429,033  | 08-06-2002         | Gee, et al.  |
|                       |                          | US-2002/0071169   | 06-13-2002         | Bowers, et al.                                     |
|                       |                          | US-2002/0071166   | 06-13-2002         | Jin, et al.  |
|                       |                          | US-6,396,619  | 05-28-2002         | Huibers, et al.                                    |
|                       |                          | US-6,388,661  | 05-14-2002         | Richards   |
|                       |                          | US-2002/0041455   | 04-11-2002         | Sawada, et al.                                     |
|                       |                          | US-6,356,378  | 03-12-2002         | Huibers  |
|                       |                          | US-6,337,760  | 01-08-2002         | Huibers, et al.                                    |
|                       |                          | US-6,172,797  | 01-09-2001         | Huibers  |
|                       |                          | US-6,046,840  | 04-04-2000         | Huibers  |
|                       |                          | US-6,038,056  | 03-14-2000         | Florence, et al.                                   |
|                       |                          | US-5,999,306  | 12-07-1999         | Atobe, et al.                                      |
|                       |                          | US-5,835,256  | 11-10-1998         | Huibers  |
|                       |                          | US-5,757,536  | 05-26-1998         | Ricco, et al.                                      |
|                       |                          | US-5,742,419  | 04-21-1998         | Dickensheets, et al.                               |
|                       |                          | US-5,661,591  | 08-26-1997         | Lin, et al.  |
|                       |                          | US-5,535,047  | 07-09-1996         | Hombeck  |
|                       |                          | US-5,504,614  | 04-02-1996         | Webb, et al.                                       |
|                       |                          | US-5,452,024  | 09-19-1995         | Sampsell   |
|                       |                          | US-5,311,360  | 05-10-1994         | Bloom, et al.                                      |
|                       |                          | US-4,615,595  | 10-07-1986         | Hombeck  |
|                       |                          | US-4,566,935  | 01-28-1986         | Hombeck  |
|                       |                          | US-4,317,611  | 03-02-1982         | Petersen   |
|                       |                          | US-4,229,732  | 10-21-1980         | Hartstein, et al.                                  |

|                       |        |                    |         |
|-----------------------|--------|--------------------|---------|
| Examiner<br>Signature | SIEDER | Date<br>Considered | 7/15/04 |
|-----------------------|--------|--------------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

23340/08599/DOCS/1411543.1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |                |
|--------------------------|-----------------------|--|--------------------------------|--|----------------|
|                          |                       | Foreign Patent Document  |                                |  |                |
| Examiner Initials*       | Cite No. <sup>1</sup> | Country Code <sup>3</sup> – Number <sup>4</sup><br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup> |
|                          |                       | EP 1237032 A2  | 09-04-2002                     | Texas Instruments Incorporated                     |                |

[illegible]

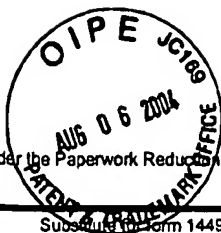
|                       |        |                    |         |
|-----------------------|--------|--------------------|---------|
| Examiner<br>Signature | SIFDOR | Date<br>Considered | 7/15/04 |
|-----------------------|--------|--------------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

23340/08599/DOCS/1411543.1



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| Substitute Form 1449A/PTO                                |   |    |   | Complete if Known      |                      |
|--|---|----|---|------------------------|----------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application No.        | 10/756,936           |
|  |   |    |   | Filing Date            | January 13, 2004     |
|  |   |    |   | First Named Inventor   | Shaoher X. Pan       |
|  |   |    |   | Art Unit               | 2872                 |
|  |   |    |   | Examiner Name          | Not yet known SIKDER |
| Sheet  | 1 | of | 1 | Attorney Docket Number | 23340-08599          |

| U.S. PATENT DOCUMENTS |                       |  |                    |  |
|-----------------------|-----------------------|--|--------------------|--|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document No.<br>Number - Kind Code <sup>2</sup> (if known) | Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
| m                     |                       | US-6,529,310   | 03-04-2003         | Huibers et al.                                     |
|                       |                       | US-5,600,383   | 02-04-1997         | Hombeck  |
|                       |                       | US-5,583,688   | 12-10-1996         | Hombeck  |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |
|                       |                       | US-  |                    |  |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |                |
|--------------------------|-----------------------|--|--------------------------------|--|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -<br>Number <sup>4</sup><br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup> |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |
|                          |                       |  |                                |  |                |

| OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS |                       |  |                |  |
|--|-----------------------|--|----------------|--|
| Examiner Initials*                                 | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>6</sup> |  |
|  |                       | /  |                |  |
|  |                       |  |                |  |
|  |                       |  |                |  |

|                    |        |                 |          |
|--------------------|--------|-----------------|----------|
| Examiner Signature | SIKDER | Date Considered | 10/28/07 |
|--------------------|--------|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

23340/08599/DOCS/1455506.1  
08/02/04